Amendments to the Specification:

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Please amend the specification as follows:

Please replace paragraph [0001] with the following amended paragraph:

[0001] The present invention relates to an oral composition which has an excellent shape-holding ability and dispersibility, and does not change a taste of juice after teeth brushing and, particularly, has excellent stability with time. Moreover, the present invention relates to an oral composition having an excellent ability of a cationic bactericide antimicrobial agent to reside on a tooth surface.

Please replace paragraphs [0003] [0004] and [0005] with the following amended paragraphs:

[0003] On the other hand, a cationic bactericide antimicrobial agent is contained in various oral compositions in order to prevent an oral cavity disease such as a periodontal disease, dental caries and the like, because it has an excellent ability to be adsorbed to an oral tissue, an enhanced bactericidal antimicrobial activity and an enhanced plaque formation-suppressing effect.

[0004] However, there was a problem that, since the cationic bactericide

antimicrobial agent has an electric charge, it forms an electrostatic complex with other
anionic ingredients contained in the oral composition, and a bactericidal antimicrobial
activity per unit of the cationic bactericide antimicrobial agent is reduced. In response
thereto, attempts have been conducted to prevent reduction of the activity per unit of
the cationic bactericide antimicrobial agent, by containing a nonionic or amphoteric

surface active agent or a nonionic thickening agent in the oral compositions, but sufficient effects have not been obtained yet.

[0005] On the other hand, even the cationic bactericide antimicrobial agent exhibits a transient bactericidal antimicrobial effect in many cases, and it is contemplated that an activity of the bactericide antimicrobial agent can be totally enhanced by improving an ability of the cationic bactericide antimicrobial agent to reside on a tooth surface.

Please replace the paragraphs beginning with [0006] and ending with [0013] with the following amended paragraphs:

[0006] A first object of the present invention is to provide an oral composition which retains better shape-holding ability, is excellent in dispersibility in an oral cavity, does not change a taste of juice after teeth brushing, and does not cause solid-liquid separation during long term storage and, additionally, which has an improved ability of the cationic bactericide antimicrobial agent to reside on a tooth surface.

[0007] Moreover, a second object of the present invention is to provide an oral composition which can effectively prevent a periodontal disease and dental caries by enhancing the ability of a cationic bactericide antimicrobial agent to reside on a tooth surface to enhance a residence bactericidal antimicrobial activity of the cationic bactericide antimicrobial agent.

[0008] In view of above former situations, the present inventors studied intensively, and found that an oral composition which has an excellent shape-holding ability and dispersibility in an oral cavity, does not change a taste of juice after teeth brushing,

and does not cause solid-liquid separation during long term storage, can be obtained by containing a combination of <u>erystalline cellulose microcrystalline cellulose</u> and a particular surface active agent, which resulted in completion of a first aspect of the present invention.

[0009] Moreover, in view of above latter situations, the present inventors studied intensively, and found that the ability of the cationic bactericide antimicrobial agent to reside on a tooth surface is significantly enhanced by containing a specific combination of the cationic bactericide antimicrobial agent and erystalline cellulose microcrystalline cellulose, which resulted in completion of a second aspect of the present invention.

[0010] That is, in accordance with the first aspect, the present invention provides:

- 1. An oral composition comprising erystalline cellulose microcrystalline cellulose, and one or more surface active agents selected from the group consisting of alkyl glycoside glucoside, polyglycerin fatty acid ester, sucrose fatty acid ester and betaine;
- 2. The oral composition of according to (1), wherein the erystalline cellulose microcrystalline cellulose is contained at 0.2-10 % by weight;
- 3. The oral composition according to (1) or (2), wherein the surface active agent is alkyl glycoside glucoside;
- 4. The oral composition according to (3), wherein an alkyl chain of the alkyl glycoside glucoside is C8-C16 in length;
- 5. The oral composition according to (1) or (2), wherein the surface active agent is polyglycerin fatty acid ester or sucrose fatty acid ester;

- 6. The oral composition according to (5), wherein an alkyl chain of a fatty acid portion of the polyglycerin fatty acid ester or the sucrose fatty acid ester is C8-C16 in length;
- 7. The oral composition according to (1) or (2), wherein the surface active agent is betaine;
- 8. The oral composition according to (7), wherein the betaine is fatty acid amide propyl betaine;
- 9. The oral composition according to (8), wherein an alkyl chain of a fatty acid portion of the fatty acid amide propyl betaine is C8-C16 in length; and
- 10. The oral composition according to any one of (1)-(9), further comprising a cationic bactericide antimicrobial agent.
- [0011] According to the first aspect of the present invention, an oral composition can be provided, which has an excellent shape-holding ability and dispersibility in an oral cavity, does not change a taste of juice after teeth brushing and, particularly, has excellent stability with time, or additionally has an enhanced ability of the cationic bacterieide antimicrobial agent to reside on a tooth surface in addition to above characteristics.
- [0012] Moreover, in accordance with the second aspect, the present invention provides:
- 11. An oral composition comprising a cationic bactericide antimicrobial agent and erystalline cellulose microcrystalline cellulose;
- 12. The oral composition according to (11), wherein the cationic bactericide antimicrobial agent is a quaternary ammonium salt;

- 13. The oral composition according to (11), wherein the cationic bactericide antimicrobial agent is a biguanide bactericide antimicrobial agent;
- 14. The oral composition according to (11), wherein the cationic bactericide antimicrobial agent is one or more selected from the group consisting of cetylpyridinium chloride, benzalkonium chloride, benzalkonium chloride, chlorhexidine hydrochloride and chlorhexidine gluconate;
- 15. The oral composition according to any one of (11)-(14), wherein the cationic bactericide antimicrobial agent is contained at 0.001-10 % by weight;
- 16. The oral composition according to any one of (11)-(15), wherein the erystalline eellulose microcrystalline cellulose is contained at 0.2-10 % by weight;
- 17. The oral composition according to any one of (11)-(16), further comprising one or more surface active agents selected from nonionic and amphoteric surface active agents;
- 18. The oral composition according to (17), wherein the surface active agent is alkyl glycoside glucoside having an alkyl chain of C8-C16 in length; and
- 19. The oral composition according to (17), wherein the surface active agent is fatty acid amide propyl betaine having an alkyl chain of a fatty acid portion of C8-C16 in length.
- [0013] According to the second aspect of the present invention, an oral composition can be provided, which can significantly enhance the effect of the cationic bactericide antimicrobial agent to reside on the tooth surface and effectively prevent the oral cavity disease such as the periodontal disease, dental caries and the like.

Please replace the paragraphs beginning with [0015] and ending with [0017] with the following amended paragraphs:

[0015] Crystalline cellulose microcrystalline cellulose used in the first aspect of the present invention is not particularly limited as far as it is commercially available, but crystalline cellulose microcrystalline cellulose having an average particle diameter of 10 micrometer or smaller is more preferable and erystalline cellulose microcrystalline cellulose having an average particle diameter of 2-6 micrometer is most preferable. When the average particle diameter of crystalline cellulose microcrystalline cellulose is larger than 10 micrometer, dispersibility of the oral composition in the oral cavity is deteriorated. In addition, an amount of erystalline cellulose microcrystalline cellulose to be contained is preferably 0.2-10 % by weight based on a total weight of the oral composition. When the amount of erystalline cellulose microcrystalline cellulose is smaller than 0.2 % by weight, an adequate shape-holding ability of the oral composition can not be achieved, being is not preferable. On the other hand, when the amount of erystalline cellulose-microcrystalline cellulose is larger than 10 % by weight, a viscosity of the oral composition becomes too high, being not preferable. [0016] The surface active agent used in the first aspect of the present invention includes alkyl glycoside glucoside, polyglycerin fatty acid ester, sucrose fatty acid ester and betaine, and they may be used alone or in a combination of two or more. An amount of the surface active agent to be contained is preferably 0.5-5 % by weight based on a total weight of the oral composition. When the amount of the surface active agent to be contained is smaller than 0.5 % by weight, a foaming ability of the oral composition is reduced, and a use feeling is deteriorated, being not preferable.

On the other hand, when the amount of the surface active agent to be contained is larger than 5 % by weight, a taste or a smell derived from the surface active agent becomes unnegligible, being not preferable.

[0017] Among above surface active agents, alkyl glycoside glucoside used in the present invention is not particularly limited, but an alkyl chain thereof is preferably C8-C16 in length. When the alkyl chain is shorter than C8, a bitter taste is produced in the oral composition, being not preferable. On the other hand, when the alkyl chain is longer than C16, the foaming ability of the oral composition is lowered and it becomes uncomfortable to use in some cases, being not preferable. Examples within such the chain length range include decyl glycoside glucoside, lauryl glycoside glucoside, myristyl glycoside glucoside and the like, and PLANTACARE 1200, PLANTACARE 2000 (Cognis), Oramix NS10, Oramix NS26 (SEPPIC) and the like are commercially available.

Please replace the paragraphs beginning with [0020] and ending with [0021] with the following amended paragraphs:

[0020] In addition, the betaine surface active agent used in the first aspect of the present invention is not particularly limited, but examples thereof include alkyl betaine, fatty acid amide propyl betaine, alkyl sulfobetaine, imidazolinium betaine and the like. Among them, fatty acid amide propyl betaine is preferable in view of its weak bitter taste. In addition, an alkyl chain of a fatty acid portion of fatty acid amide propyl betaine is preferably C8-C16 in length. When the alkyl chain is shorter than

C8, a bitter taste is produced in the oral composition. On the other hand, when the alkyl chain is longer than C16, the foaming ability of the oral composition is lowered and an oily taste is produced in some cases in the oral composition. Examples of fatty acid amide propyl betaine having such the chain length range include eccount oil fatty acid amide propyl betaine cocamidopropyl betaine, lauric acid amide propyl betaine, myristic acid amide propyl betaine and the like, and there are commercially available products such as SWANOL (Nikko Chemicals, Co., Ltd.), Obazolin (Toho Chemical Industry Co., Ltd.), RIKABION (New Japan Chemical Co., Ltd.), Tego-Betaine (Goldschmidt AG), Empigen (Albright & Wilson) and the like.

[0021] In addition, a cationic bactericide antimicrobial agent used in the first aspect of the present invention is not particularly limited, but a quaternary ammonium salt and a biguanide bactericide antimicrobial agent are preferable, and examples thereof include, for example, the quaternary ammonium salt such as cetylpyridinium chloride, benzalkonium chloride, benzethonium chloride, distearyldimethyl ammonium chloride, stearyldimethylbenzyl ammonium chloride, stearyltrimethyl ammonium chloride, cetyltrimethyl ammonium chloride, lauryltrimethyl ammonium chloride, laurylpyridinium chloride and the like, and the biguanide bactericide antimicrobial agent such as chlorhexidine hydrochloride, chlorhexidine acetate, chlorhexidine gluconate, alexidin hydrochloride, alexidin acetate, alexidin gluconate and the like, and the like. Among them, cetylpyridinium chloride and benzalkonium chloride are more preferable, and cetylpyridinium chloride is particularly preferable. These cationic bactericides may be contained alone or in a combination of two or more. In addition, an mount of the cationic bactericide antimicrobial agent to be contained is

preferably 0.001-10 % by weight, and more preferably 0.01-1 % by weight based on a total weight of the oral composition. When the amount of the cationic bactericide antimicrobial agent is smaller than 0.001 % by weight, a bactericidal antimicrobial effect of the oral composition can not be expected. On the other hand, when the amount of the cationic bactericide antimicrobial agent is larger than 10 % by weight, an irritation to an oral mucous membrane becomes strong, being not preferable in view of safety.

Please replace paragraph [0023] with the following amended paragraph:

[0023] Among them, examples of the active ingredient include a nonionic bactericide antimicrobial agent such as triclosan, isopropyl methylphenol and the like, a fluoride such as sodium fluoride, potassium fluoride, ammonium fluoride, tin fluoride stannous fluoride, sodium monofluorophosphate and the like, an enzyme such as amylase, protease, lysozyme, dextranase and the like, a vitamin such as vitamins B, C and E and the like, a potassium salt and the like.

Please replace paragraphs [0024] [0025] and [0026] with the following amended paragraphs:

[0024] Examples of the foaming agent or detergent include an anionic surface active agent such as sodium N-acyl sarcosinate, N-acyl glutamate, sodium N-methyl-N-acylalanine, sodium alpha-olefin sulfonate and the like; a nonionic surface active agent such as polyoxyethylene fatty acid ester such as

polyoxyethylene sorbitan fatty acid ester such as polyoxyethylene sorbitan monolaurate, or polyoxyethylene hydrogenated castor oil, lauric acid monoethanol amide, myristic acid monoethanol amide, polyoxyethylene higher alcohol-ether, polyoxyethylene (polyoxypropylene) copolymer, polyoxyethylene (polyoxypropylene) fatty acid ester and the like; an amphoteric surface active agent such as N-alkyldiamino ethyl glycine and the like, in addition to the surface active agents as described above. But, when the oral composition of the first aspect of the present invention contains the cationic bactericide antimicrobial agent, it is not preferable that it contains the anionic surface active agent.

[0025] Examples of the polishing agent include calcium hydrogenphosphate dihydrate or anhydrate, calcium phosphate, calcium tertiary phosphate, magnesium tertiary phosphate, calcium pyrophosphate, hydroxyapatite, insoluble sodium metaphosphate, silicia acid hydrate, silicia acid anhydrate silica, silica gel, precipitated silica, aluminum silicate, zirconium silicate, calcium silicate, calcium carbonate, magnesium carbonate, alumina, aluminum hydroxide, calcium sulfate, methyl polymethacrylate and the like.

[0026] Examples of the thickening agent include an anionic thickening agent such as sodium carboxymethyl cellulose, sodium carboxymethyl hydroxyethyl cellulose and the like, a cellulose derivative such as hydroxyethyl cellulose, hydroxypropyl cellulose and the like, natural gum such as xanthan gum, tragacanth, gum karaya, gum arabic, carrageenan and the like, a cationic thickening agent such as O-[2-hydroxy-3-(trimethylammonio)

propyl]hydroxyethyl cellulose chloride and the like, in addition to erystalline cellulose microcrystalline cellulose used in the present invention. But, when the oral composition of the first aspect of the present invention contains the cationic bactericide antimicrobial agent, it is not preferable that it contains the anionic thickening agent.

Please replace the paragraphs beginning with [0033] and ending with [0035] with the following amended paragraphs:

[0033] Next, the cationic bactericide antimicrobial agent used in the second aspect of the present invention is not particularly limited, but a quaternary ammonium salt and a biguanide bactericide antimicrobial agent are preferable, and examples thereof include, for example, the quaternary ammonium salt such as cetylpyridinium chloride, benzalkonium chloride, benzethonium chloride, distearyldimethyl ammonium chloride, stearyldimethylbenzyl ammonium chloride, stearyltrimethyl ammonium chloride, cetyltrimethyl ammonium chloride, lauryltrimethyl ammonium chloride, laurylpyridinium chloride and the like, and the biguanide bactericide antimicrobial agent such as chlorhexidine hydrochloride, chlorhexidine acetate, chlorhexidine gluconate, alexidin hydrochloride, alexidin acetate, alexidin gluconate and the like, and the like. These cationic bactericide antimicrobial agents may be contained alone or in a combination of two or more. In addition, an amount of the cationic bactericide antimicrobial agent to be contained is preferably 0.001-10 % by weight and more preferably 0.01-1 % by weight based on a total weight of the oral composition. When

the amount of the cationic bactericide antimicrobial agent is smaller than 0.001 % by weight, an expected bactericidal antimicrobial effect is not exerted. On the other hand, when the amount of the cationic bactericide antimicrobial agent is larger than 10 % by weight, an irritation to an oral mucous membrane becomes strong, being not preferable in view of safety.

In addition, erystalline cellulose microcrystalline cellulose used in the second aspect of the present invention is not particularly limited as far as it is commercially available. An amount of erystalline cellulose microcrystalline cellulose to be contained is preferably 0.2-10 % by weight and more preferably 0.5-5 % by weight based on a total weight of the oral composition. When the amount of erystalline cellulose microcrystalline cellulose is smaller than 0.2 % by weight, an effect for enhancing residence of the bactericide antimicrobial agent on a tooth surface is lowered. On the other hand, when the amount of erystalline cellulose microcrystalline cellulose is larger than 10 % by weight, a viscosity of the oral composition becomes too high, being not preferable. In addition, an average particle diameter of erystalline cellulose microcrystalline cellulose is preferably equal to or smaller than 10 micrometer and more preferably 2-6 micrometer, in view of homogeneous dispersion in the oral composition. In addition, as a matter of fact, erystalline cellulose microcrystalline cellulose having an average particle diameter smaller than 0.1 micrometer is hard to obtain.

[0035] In addition, the surface active agent used in the second aspect of the present invention is preferably a nonionic surface active agent, an amphoteric surface active agent or a cationic surface active agent. When the anionic surface active agent is used

in the oral composition of the present invention, stability of the cationic bactericide antimicrobial agent in a formulation may be deteriorated. More preferably, the surface active agent is the nonionic and amphoteric surface active agents. Examples of the nonionic surface active agent include, for example, sugar fatty acid ester such as alkyl glycoside glucoside, sucrose fatty acid ester, maltose fatty acid ester, lactose fatty acid ester and the like, polyoxyethylene alkyl ether, fatty acid alkanol amide, polyoxyethylene sorbitan fatty acid ester such as polyoxyethylene sorbitan monolaurate, polyoxyethylene sorbitan monostearate and the like, polyoxyethylene hydrogenated castor oil, sorbitan fatty acid ester, polyglycerin fatty acid ester such as decaglycerin monolauric acid ester, pentaglycerin distearic acid ester and the like, polyoxyethylene (polyoxypropylene) copolymer, and the like. Examples of the amphoteric surface active agent include, for example, N-alkyldiamino ethyl glycine such as N-lauryldiamino ethyl glycine, N-myristyl dimino ethyl glycine and the like, fatty acid amide propyl betaine, N-alkyl-N-carboxymethyl ammonium betaine, sodium 2-alkyl-1-hydroxyethyl imidazoline betaine and the like. Among them, alkyl glycoside glucoside, sucrose fatty acid ester, polyoxyethylene hydrogenated caster oil, polyglycerin fatty acid ester, polyoxyethylene (polyoxypropylene) copolymer, N-alkyl diamino ethyl glycine and fatty acid amide propyl betaine are preferable. Among them, alkyl glycoside glucoside and fatty acid amide propyl betaine are particularly preferable. In addition, an alkyl chain of alkyl glycoside glucoside of C8-C16 in length is preferable, and an alkyl chain of alkyl glycoside glucoside of C10-C14 in length is particularly preferable. In addition, an alkyl chain of a fatty acid portion of fatty acid amide propyl betaine is preferably C10-C14 in length, and particularly C12C14 in length. An amount of the surface active agent to be contained is preferably 0.5-5 % by weight based on a total weight of the oral composition.

Please replace paragraphs [0037] [0038] and [0039] with the following amended paragraphs:

[0037] Among them, examples of the active ingredient include a nonionic bactericide antimicrobial agent such as triclosan, isopropyl methylphenol and the like, a fluoride such as sodium fluoride, potassium fluoride, ammonium fluoride, tin fluoride stannous fluoride, sodium monofluorophosphate and the like, an enzyme such as amylase, protease, lysozyme, dextranase and the like, a vitamin such as vitamins B, C and E and the like, an astringent such as potassium nitrate, aluminum lactate and the like, and the like, in addition to the cationic bactericide antimicrobial agent such as the quaternary ammonium salt and the biguanide bactericide antimicrobial agent as described above.

[0038] Examples of the polishing agent include calcium hydrogenphosphate, dihydrate and anhydrate, calcium phosphate, calcium tertiary phosphate, magnesium tertiary phosphate, calcium pyrophosphate, hydroxyapatite, insoluble sodium metaphosphate, silicic acid hydrate, silicie acid anhydrate silica, silica gel, precipitated silica, aluminum silicate, zirconium silicate, calcium silicate, calcium carbonate, magnesium carbonate, alumina, aluminum hydroxide, calcium sulfate, methyl polymethacrylate and the like. Among them, calcium hydrogenphosphate, dihydrate and anhydrate, calcium phosphate, calcium tertiary phosphate, magnesium tertiary

phosphate, calcium pyrophosphate, hydroxyapatite, calcium carbonate and magnesium carbonate are preferable.

[0039] Examples of the thickening agent include a cellulose derivative such as hydroxyethyl cellulose, hydroxypropyl cellulose and the like, a natural gum such as carrageenan, xanthan gum, tragacanth, gum karaya, gum arabic, gellan gum and the like, a synthetic thickening agent such as poly (vinylalcohol), sodium polyacrylate and the like, an inorganic thickening agent such as viscosity-increasing silica, veegum and the like, and the like, in addition to erystalline cellulose microcrystalline cellulose used in the oral composition of the present invention.

Please replace Page 20, Table 1, Paragraph [0049] with the attached sheet.

Please replace the paragraphs beginning with [0051] and ending with [0060] with the following amended paragraphs:

[0051] On the other hand, in Examples 1-4, the oral compositions containing lauryl glycoside-glucoside, polyglycerin lauric acid ester, sucrose lauric acid ester or eoconut oil fatty acid amide propyl betaine cocamidopropyl betaine as the surface active agent, did not cause solid-liquid separation even after one month storage at room temperature, which had excellent stability with time.

[**0052**] Example 5

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 3.7 micrometer)	3.0
Decyl glycoside glucoside	2.0
Silicic acid anhydrate Silica	30.0
Sodium carboxymethyl cellulose	2.0
Tocopherol acetate	0.05
Sodium fluoride	0.2
Perfume Flavor	1.0
Saccharin sodium	0.1
Titanium oxide	0.3
Sorbit solution	30.0
Purified water	remainder

[0053] Example 6

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)	
Crystalline cellulose Microcrystalline cellulose		
(average particle diameter 3.7 micrometer)	3.0	
Coconut oil fatty acid amide propyl betaine Co	camidopropyl betaine	0.8
Calcium hydrogenphosphate	35.0	
Cetylpyridinium chloride	0.1	
Hydroxyethyl cellulose	2.0	
Tocopherol acetate	0.05	
Sodium monofluorophosphate	0.72	
Perfume Flavor	1.0	
Saccharin sodium	0.1	
Titanium oxide	0.3	
Concentrated glycerin	15.0	
Purified water	remainder	

The oral composition obtained had an excellent shape-holding ability and dispersibility in an oral cavity, did not change a taste of juice after teeth brushing and had excellent stability with time. In addition, the oral composition obtained had an enhanced effect of cetylpyridinium chloride to reside on a tooth surface.

[0054] Example 7

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 3.7 micrometer)	2.0
Sucrose lauric acid ester	2.0
Calcium pyrophosphate	35.0
Xanthan gum	0.5
Sodium monofluorophosphate	0.72
Perfume-Flavor	1.0
Saccharin sodium	0.1
Titanium oxide	0.3
Concentrated glycerol	18.0
Polyethylene glycol	5.0
Purified water	remainder

[0055] Example 8

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 3.7 micrometer)	2.0
Decaglycerin lauric acid ester	2.0
Calcium carbonate	25.0
Sodium carboxymethyl cellulose	1.0
Perfume Flavor	1.0
Saccharin sodium	0.1
Titanium oxide	0.3
Concentrated glycerin	10.0
Xylitol	10.0
Purified water	remainder

[0056] Example 9

An oral composition (gel) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 3.7 micrometer)	4.0
Decyl glycoside glucoside	1.0
Sodium fluoride	0.2
Concentrated glycerin	40.0
Polyethylene glycol	5.0
Propylene glycol	8.0
Perfume-Flavor	1.0
Saccharin sodium	0.1
Disodium hydrogenphophate	0.12
Sodium dihydrogenphosphate	0.01
Purified water	remainder

[0057] Example 10

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An oral composition (gel) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Crystalline cellulose-Microcrystalline cellulose	
(average particle diameter 3.7 micrometer)	5.0
Myristic acid amide propyl betaine	0.5
Tetraglycerin lauric acid ester	1.0
Tocopherol acetate	0.1
Concentrated glycerin	30.0
Polyethylene glycol	4.0
1,3-Butylene glycol	2.0
Perfume-Flavor	1.0
Saccharin sodium	0.1
Disodium hydrogencitrate	0.12
Sodium dihydrogencitrate	0.01
Purified water	remainder

[0058] Example 11

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 5.8 micrometer)	0.5
Lauryl glycoside glucoside	2.5
Calcium hydrogenphosphate dihydrate	40.0
Hydroxyethyl cellulose	1.0
Perfume Flavor	1.0
Saccharin sodium	0.2
Sorbitol	25.0
Purified water	remainder

[0059] Example 12

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An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 5.8 micrometer)	2.0
Decyl glycoside glucoside	1.5
Silicic acid hydrate	20.0
Carrageenan	1.0
Perfume-Flavor	1.0
Saccharin sodium	0.1
Sorbitol	15.0
Concentrated glycerin	10.0
Purified water	remainder

[0060] Example 13

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)	
Crystalline cellulose Microcrystalline cellulose		
(average particle diameter 8.6 micrometer)	1.0	
Coconut oil fatty acid amide propyl betaine Cocamido	propyl betaine	0.8
Silicic acid anhydrate Silica	15.0	
Aluminum hydroxide	5.0	
Sodium polyacrylate	0.5	
Perfume Flavor	1.0	
Saccharin sodium	0.2	
Polyethylene glycol	5.0	
Concentrated glycerin	10.0	
Purified water	remainder	

The oral composition obtained had an excellent shape-holding ability and dispersibility in an oral cavity, did not change a taste of juice after teeth brushing and had excellent stability with time.

Please replace Page 31, Table 2, Paragraph [0064] with the attached sheet.

Please replace the paragraphs beginning with [0065] and ending with [0073] with the following amended paragraphs:

[0065] From the results in Table 2, it is found that an amount of cetylpyridinium chloride residing on a tooth surface is significantly increased with the oral compositions of Examples 14-18, in which cetylpyridinium chloride and erystalline eellulose microcrystalline cellulose have been specifically combined, as compared with those of Comparative Examples 5-8, in which the same amount of cetylpyridinium chloride and other cellulose derivatives have been combined.

Moreover, it is also found that alkyl glycoside glucoside and betaine are preferable as the surface active agent to be contained in addition to the above ingredients, because they increase an amount of cetylpyridinium chloride residing on a tooth surface, as compared with other surface active agents.

[0066] Example 19

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Benzethonium chloride	0.1
Crystalline cellulose-Microcrystalline cellulose	
(average particle diameter 3.7 micrometer)	2.0
Triclosan	0.1
Hydroxypropylmethyl cellulose	1.0
Lauryl glycoside glucoside	2.0

Calcium carbonate	40.0
Titanium oxide	0.2
Saccharin sodium	0.2
Sorbit solution	30.0
Perfume Flavor	1.0
Purified water	remainder

[0067] Example 20

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)	•
Cetylpyridinium chloride	0.1	
Crystalline cellulose Microcrystalline cellulose		
(average particle diameter 3.7 micrometer)	3.0	
Potassium nitrate	1.0	
Hydroxyethyl cellulose	2.0	
Coconut oil fatty acid amide propyl betaine Coca	amidopropyl betaine	1.0
Concentrated glycerin	10.0	
Sorbit solution	10.0	

Titanium oxide	0.3
Stevioside	0.2
Sodium benzoate	0.1
Xylitol	10.0
Perfume Flavor	.0.8
Purified water	remainder

[0068] Example 21

An oral composition (gel) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Cetylpyridinium chloride	0.1
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 3.7 micrometer)	4.0
Decyl glycoside glucoside	1.0
Concentrated glycerin	40.0
Polyethylene glycol	5.0
Propylene glycol	3.0
Perfume-Flavor	1.0

Saccharin sodium	0.1
Disodium hydrogenphophate	0.12
Sodium dihydrogenphosphate	0.01
Purified water	remainder

[0069] Example 22

An oral composition (gel) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Chlorhexidine hydrochloride	0.2
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 3.7 micrometer)	5.0
Myristic acid amide propyl betaine	0.5
Tetraglycerin lauric acid ester	1.0
Tocopherol acetate	0.1
Concentrated glycerin	30.0
Polyethylene glycol	4.0
1,3-Butylene glycol	2.0
Perfume-Flavor	1.0

Saccharin sodium	0.1
Disodium hydrogencitrate	0.12
Sodium dihydrogencitrate	0.01
Purified water	remainder

[0070] Example 23

An oral composition (toothpaste) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Benzalkonium chloride	0.05
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 5.8 micrometer)	0.5
Sucrose myristic acid ester	4.0
Magnesium carbonate	5.0
Calcium carbonate	12.0
Guar gum	1.0
Perfume Flavor	1.0
Saccharin sodium	0.2
Concentrated glycerin	20.0

Purified water remainder

The oral composition obtained could increase an amount of the cationic bactericide antimicrobial agent residing on a tooth surface and could effectively prevent an oral cavity disease such as a periodontal disease, dental caries and the like.

[0071] Example 24

An oral composition (gel) of the following formulation was prepared according to the conventional procedures:

Ingredient Name	Amount (%)
Chlorhexidine gluconate	0.2
Crystalline cellulose Microcrystalline cellulose	
(average particle diameter 8.6 micrometer)	5.0
Myristyl glycoside glucoside	4.0
Hydroxypropylmethyl cellulose	1.0
Perfume Flavor	0.5
Saccharin sodium	0.2
Concentrated glycerin	20.0
Propylene glycol	3.0
Purified water	remainder

[0072] According to the first aspect of the present invention, an oral composition can be provided, which has an excellent shape-holding ability and dispersibility in an oral cavity, does not change a taste of juice after teeth brushing, and particularly, excellent stability with time, or which has an enhanced ability of a cationic bactericide antimicrobial agent to reside on a tooth surface.

[0073] Moreover, according to the second aspect of the present invention, an oral composition can be provided, which can significantly increase an amount of a cationic bactericide antimicrobial agent residing on a tooth surface and effectively prevent an oral cavity disease such as a periodontal disease, dental caries and the like.